INITIAL REVIEW EXPOSURE REPORT	P-00-1165	Page 1 of: 13
Assessor: POWERS	Search ( )Y	Focus Date:
SAT Health: [redacted]		Focus Rep:
SAT Eco: L		SAT Rep: GT
Submitter: Ausimont USA, Inc.	Max. PV (kg/yr) [redacted]	Manuf. / Import X

Use:

[redacted]

Consumer Exposure	( )no,
	( )yes, see consumer exp. page

Analogs/Comments: [redacted]

Chemical Name:

Diphosphoric acid, polymers with ethoxylated reduced Me esters of reduced polymd. oxidized tetrafluoroethylene

Trade Name: [redacted] CAS: 200013-65-6

Structure:

[redacted]

INITIAL REVIEW EXPOSURE REPORT	[redacted]	Analog for: P-00-1165

ANALOG DATA FORM

Page 3

		RATING		PHOTO	RATING
ANAEROBIC BIODEGRADATION	Ultimate	4		DIRECT	
	Primary			INDIRECT	
Comments:					
				AT OX	
HYDROLYSIS	A.			OH	
(pH 7, 25 C)	B.			O3	
Comments:					
SORPTION TO SOIL & SEDIMENT		1			
Comments:					
MIGRATION TO GROUND WATER		1		Persist/Bioacc	3/1
BIO COMMENT					

Page 2

%	90
Sorp	3
Strip	4
Rem	4
Dest	
Ult	4
Prim	

	MOL WT	FORM
Structure:	[redacted]	

[redacted]

INITIAL REVIEW EXPOSURE REPORT		P-00-1165	Page 2 of: 13
STATE	NEAT	[redacted]	EPI ESTIMATIONS
	MFG	NK, Import	

[redacted]

PROPERTY	Submitted	ICB-CRSS	Method/Ref		
MP (C)					
BP (C)		[redacted]			
@ P (torr)					
VP (torr)		[redacted]	High MW		
S-H2O (g/L)		[redacted]	Analog		mg/L
S-Org (g/L)					mg/L
Log Kow					
pH, pKa			Log Koc		
Light Absorption (nm)	[redacted]		Log BCF	BCF	
Solvent:			H (atm m3/mol)		

HYDRO t(1/2) @ pH 7, 25 C		da	Persistence / Bioaccumulation				P3B1
Volatilization (H2O) t(1/2)		River		hr	Lake		da
AOP t(1/2) (hr)	OH		O3		Total		
BIODEG	Linear Prob:		Nonlinear Prob:		Survey Ult:		Survey Prim:
STP (% Removal)	Tot		Biod		Ads		Air

REMOVAL IN WWT/POTW	% Overall		0	25	50	75	(90)	=> 99
			CATEGORY					
		RATING	1	2	3	4		
Sorption			low	moderate	(strong)	v.strong		
Stripping			extensive	moderate	low	(negligible)		
Biodegradation	Removal		unknown	high	moderate	(negligible)		
	Destruction		unknown	complete	partial			

Comments:

AEROBIC BIODEGRADATION	Ultimate		<= days	weeks	months	(> months)
	Primary		<= days	weeks	months	> months

Comments:

INITIAL REVIEW EXPOSURE REPORT			P-00-1165			Page 3 of: 13
				CATEGORY		
		RATING	1	2	3	4
ANAEROBIC BIODEGRADATION	Ultimate		<= days	weeks	months	> months
	Primary		<= days	weeks	months	> months
Comments:						
	HYDRO (da)					
HYDROLYSIS	A.		<= mins	hours	days	=> months
(t(1/2) @ pH 7, 25 C)	B.		<= mins	hours	days	=> months
Comments:						
SORPTION TO SOIL & SEDIMENT			v.strong	strong	moderate	low
Comments:						
MIGRATION TO GROUND WATER			negl	slow	moderate	rapid
Comments:						
VOLATILIZATION	Rivers (hr)		negl	slow	moderate	rapid
(t(1/2) w/o sediment	Lakes (da)		negl	slow	moderate	rapid
Comments:						
PHOTOLYSIS	A. Direct		negl	slow	moderate	rapid
	B. Indirect		negl	slow	moderate	rapid
Comments:						
	AOP t(1/2) hr					
ATMOSPHERIC	A. OH		negl	slow	moderate	rapid
OXIDATION	B. O3		negl	slow	moderate	rapid
Comments:						

INITIAL REVIEW EXPOSURE REPORT

Case Number: P001165 Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 1 Number of Release Sites: [redacted]

Release Activity: Processing

Release Description:	WATER	LANDFILL	INCINER	LAND/INCIN	FUGITIVE
Total Releases:	[redacted]				
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)
Release Days/yr:	[redacted]				0.
Per Site Release:		0.00	0.00	0.00	0.00
	(kg/day)	(kg/yr)	(kg/yr)	(kg/yr)	(kg/day)

Remarks: Incineration release is less than [redacted] kg/site/year after 99.9% removal.

CASE NUMBER:P001165

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #:1 RELEASE ACTIVITY:Processing

SIC-CODE DESCRIPTION [redacted]

SIC-CODE (S) [redacted] EXPOSED POPULATION:

WASTE WATER TREATMENT REMOVAL (%)	RELEASE DAYS	PRE-TREATMENT RELEASE (kg/day)	POST-TREATMENT RELEASE (kg/day)	BCF (L/kg)
90.	[redacted]			

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic MEAN	30Q5	7Q10	1Q10	Harmonic MEAN	30Q5	7Q10	1Q10
ALL	50	[redacted]							
ALL	10	[redacted]							

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
$LADD_{pot}$	[redacted]		mg/kg/day	0.00	0.00	mg/kg/day
$LADC_{pot}$	[redacted]		/L	0.00	0.00	mg/kg
Chronic Non-Cancer						
ADD_{pot}	[redacted]		mg/kg/day	0.00	0.00	mg/kg/day
ADC_{pot}	[redacted]		mg/L	0.00	0.00	mg/kg
Acute						
ADR_{pot}	[redacted]		mg/kg/day	0.00	0.00	mg/kg/day

CASE NUMBER: P001165

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 1

RELEASE ACTIVITY: Processing

SIC CODE DESCRIPTION: [redacted]

SIC CODE RESULTS

COC (µg/L)	% yr exceeded	Days/yr exceeded	Release days/year	Loading (kg/site/day)	Waste Water Treatment (%)	High/Avg Analysis
10.00 (algae)	[redacted]	[redacted]	[redacted]	[redacted]	90.00	High
40 (daphnids)	[redacted]	[redacted]	[redacted]	[redacted]	90.00	High
1000 (fish)	N/A	N/A	[redacted]	[redacted]	90.00	High

INITIAL REVIEW EXPOSURE REPORT

Case Number: P001165 Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 2 Number of Release Sites: [redacted]

Release Activity: Industrial Use

Release Description:	WATER	LANDFILL	INCINER	LAND/INCIN	FUGITIVE
Total Releases:	[redacted]				
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)
Release Days/yr:	[redacted]				0.
Per Site Release:		0.00	0.00	0.00	0.00
	(kg/day)	(kg/yr)	(kg/yr)	(kg/yr)	(kg/day)

Remarks: Incineration release is less than [redacted] kg/site/year after 99.9% removal.

CASE NUMBER:P001165

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #:2 RELEASE ACTIVITY [redacted]
Use

SIC-CODE DESCRIPTION [redacted]

SIC-CODE (S) [redacted] EXPOSED POPULATION:

WASTE WATER TREATMENT REMOVAL (%)	RELEASE DAYS	PRE-TREATMENT RELEASE (kg/day)	POST-TREATMENT RELEASE (kg/day)	BCF (L/kg)
[redacted]				

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER									
PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic MEAN	30Q5	7Q10	1Q10	Harmonic MEAN	30Q5	7Q10	1Q10
ALL	50	[redacted]							
ALL	10	[redacted]							

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES						
Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
$LADD_{pot}$	[redacted]		/kg/day	0.00	0.00	mg/kg/day
$LADC_{pot}$	[redacted]		/L	0.00	0.00	mg/kg
Chronic Non-Cancer						
ADD_{pot}	[redacted]		/kg/day	0.00	0.00	mg/kg/day
ADC_{pot}	[redacted]		/L	0.00	0.00	mg/kg
Acute						
ADR_{pot}	[redacted]		/kg/day	0.00	0.00	mg/kg/day

CASE NUMBER: P001165

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 2 RELEASE ACTIVITY: [redacted]

SIC CODE DESCRIPTION: [redacted]

ASSOCIATED SIC CODES: [redacted]

SIC CODE RESULTS						
COC (µg/L)	% yr exceeded	Days/yr	Release	Loading	Waste Water Treatment (%)	High/Avg Analysis
10.00 (algae	[redacted]				90.00	High
40 (daphnids)	N/A	N/A	[redacted]	[redacted]	90.00	High
1000 (fish)	N/A	N/A	[redacted]	[redacted]	90.00	High

INITIAL REVIEW EXPOSURE REPORT

Case Number: P001165 Assessor:

ENVIRONMENTAL RELEASES

Scenario#: 3 Number of Release Sites: [redacted]

Release Activity: [redacted]

Release Description:	WATER	LANDFILL	INCINER	LAND/INCIN	FUGITIVE
Total Releases:	[redacted]				
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)
Release Days/yr:	[redacted]				0.
Per Site Release:		0.00	0.00	0.00	0.00
	(kg/day)	(kg/yr)	(kg/yr)	(kg/yr)	(kg/day)

Remarks: Incineration release is less than [redacted] kg/site/year after 99.9% removal.

CASE NUMBER:P001165

SIC-CODE BASED HUMAN AND AQUATIC EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #:3 RELEASE ACTIVITY: [redacted]
Use

SIC-CODE DESCRIPTION [redacted]

SIC-CODE (S) [redacted] EXPOSED POPULATION:

WASTE WATER TREATMENT REMOVAL (%)	RELEASE DAYS	PRE-TREATMENT RELEASE (kg/day)	POST-TREATMENT RELEASE (kg/day)	BCF (L/kg)
[redacted]				

AQUATIC EXPOSURE ESTIMATES - SURFACE WATER

PLANT TYPE	% ILE FACILITY	STREAM FLOW (MLD)				STREAM CONC. (µg/l)			
		Harmonic MEAN	30Q5	7Q10	1Q10	Harmonic MEAN	30Q5	7Q10	1Q10
ALL	[redacted]	[redacted]							
ALL									

DRINKING WATER AND FISH INGESTION EXPOSURE ESTIMATES

Exposure Units	Drinking Water Results		Drinking Water Units	Fish Ingestion Results		Fish Ingestion Units
	50%	10%		50%	10%	
Cancer						
$LADD_{pot}$	[redacted]	[redacted]	kg/day	0.00	0.00	mg/kg/day
$LADC_{pot}$	[redacted]	[redacted]	mg/L	0.00	0.00	mg/kg
Chronic Non-Cancer						
ADD_{pot}	[redacted]	[redacted]	/kg/day	0.00	0.00	mg/kg/day
ADC_{pot}	[redacted]	[redacted]	/L	0.00	0.00	mg/kg
Acute						
ADR_{pot}	[redacted]	[redacted]	/kg/day	0.00	0.00	mg/kg/day

CASE NUMBER: P001165

SIC CODE EXPOSURES TO SURFACE WATER RELEASES

SCENARIO #: 3 RELEASE ACTIVITY: [redacted] Use

SIC CODE DESCRIPTION: [redacted]

ASSOCIATED SIC CODES: [redacted]

SIC CODE RESULTS

COC (µg/L)	% yr exceeded	Days/yr exceeded	Release	Loading	Waste Water Treatment (%)	High/Avg Analysis
10.00 (algae)	[redacted]					High
40 (daphnids)	N/A	N/A	[redacted]	[redacted]	90.00	High
1000 (fish)	N/A	N/A	[redacted]	[redacted]	90.00	High